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Title:
CERAMIC HONEYCOMB FILTER

Abstract:

PROBLEM TO BE SOLVED: To provide a ceramic honeycomb filter capable of removing fine particles at the time of regeneration with high efficiency and having a low pressure loss. **SOLUTION:** In the ceramic honeycomb filter for removing fine particles contained in exhaust gas by sealing the end parts of predetermined flow channels of a ceramic honeycomb structure and passing the exhaust gas through the porous partition walls demarcating the flow channels, both end parts of the flow channels in the vicinity of the outer peripheral wall of the ceramic honeycomb structure are sealed by a sealant and the length of the sealant from the end surface of the filter is 8.2% or less of the total length of the ceramic honeycomb filter. The flow channels sealed at both ends thereof are present within a range of the maximum 5 times (partition wall pitch) length toward the center of the end surface of the honeycomb filter from the outer peripheral wall of the end surface of the honeycomb filter.